Please type a plus sign (+) inside this box [+]

Approved for use through 09/30/00. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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	UTILITY	Attorney Docket No.		4191-00318	Total Pages	15+			
PATENT APPLICATION			First Nam d Inventor or Application Identifier						
(Only for no	TRANSMITTAL	Thousand a medical of Application identified A							
	w n nprovisi nal applications nder 37 CFR 1.53(b)	Micha	ael J. Connor	<u> </u>		8			
u.	100 57 Of 12 1.00(b)		Mail Lab - LNI-	EV0400040001	10	20 €			
	APPLICATION ELEMENTS	Expre	ess Mail Label No. ADDRESS TO:	EV342894033U	er for Patents	64			
	oter 600 concerning utility patent applic	cation	ADDITEGO TO:	Box Patent A		1			
	contents			Washington,	D.C. 20231	1			
			7. □ CD-ROM o	r CD-R in duplica	ate, large table	or			
1. 区 Fee Transmittal Form Computer Program (Appendix) (Submit an original, and a duplicate for fee processing)									
(Subiliit all Of	igilial, and a duplicate for fee processi	8. Nucleotide and/or Amino Acid Sequence Submission							
2. □ Applicant	claims small entity status.	(if applicable, all necessary)							
See 37 CFR1.27.			a. □ Computer Readable Copy (CRF)						
0.53	T-1-1 D 1	0],		ification Sequence					
3. ⊠ Specifica	tion [Total Pagesd arrangement set forth below)]	i. CD-ROM or CD-R (2 copies); or						
- Descriptiv	ve title of the Invention		ii. □ paper c. □ Statements verifying identify of above copies						
	ferences to Related Applications		ACCOMP	ANYING APPLIC	ATION PARTS	,			
 Statemer 	nt Regarding Fed sponsored R & D		9 □ Assignment						
	e to sequence listing, a table, or a		10.□ 37 CFR 3.73(b) Statement □ Power of Attorney						
	program listing appendix and of the Invention					rney			
	nmary of the Invention		(when ther	e is an assignee)					
	cription of the Drawings (if filed)		11.□ English Translation Document (if applicable)						
- Detailed Description									
- Claim(s)			12.□ Information Disclosure □ Copies of IDS						
- Abstract	of the Disclosure	, ,	Statement	(IDS)/PTO-1449	Citations				
4. 図 Drawing(s) (35 USC 113) [Total Sheets 3]			13.□ Preliminary Amendment						
5. Oath or Decla	ration [Total Pages	5 ₁	14.⊠ Return Receipt Postcard (MPEP 503)						
a. Newly executed (original or copy)			(Should be specifically itemized)						
b. ☐ Copy	from a prior application (37 CFR 1.63(d))	15.□ Certified Copy of Priority Document(s)						
	continuation/divisional with Box 18								
com	oleted)		(if foreign priority is claimed)						
i. 🗆 DE	LETION OF INVENTOR(S)		16.⊠ Nonpublication Request under 35 U.S.C.						
Si	gned statement attached deleting		122(b)(2)(B)(8). Applicant must attach form						
	ventor(s) named in the prior		PTO/SB/35 or its equivalent.						
application, see 37 CFR 1.63(d)(2) and 1.33(b).			17 🖾 Othor:						
1.	.55(b).		17.⊠ Other:			•			
6. ☐ Application	on Data Sheet. See 37 CFR 1.76			lement to Transn					
			⊠ Certif	icate of Express	Mail				
			L						
18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:									
☐ Continua				oplication No.:					
Prior application information: Examiner Group Art Unit:									
For CONTINUATION OR DIVISIONAL APPS ONLY: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by									
reference. The Incorporation can only be relied upon when a portion has been Inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS									
19. CORRESPONDENCE ADDRESS									
Direct all correspondence to: ☑ Customer Number: 26753 ☑ Correspondence address below									
20,00									
NAME	Michael E. Taken (Reg. No. 28,120)	1416							
ADDRESS	ANDRUS, SCEALES, STARKE & SA	WALL	, LLP						
ADDRESS 100 East Wisconsin Avenue Suite 1100									
CITY	Milwaukee	STAT	E Wisconsin	ZIP C	ODE 53202	2-4178			
COUNTRY		PHON			(414) 271-				

CERTIFICATE OF EXPRESS MAIL

This is to certify that this correspondence is being deposited with the United States Postal Service as EXPRESS MAIL POST OFFICE TO ADDRESSEE in an envelope addressed to Commissioner for Patents, Mail Stop - New Application, P.O. Box 1450, Alexandria, VA 22313-1450 on the 29th day of July, 2003. The Express Label is EV342894033US.

Jø Ann Kuczynski

7-29-03

Date

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Patent and Trademark Office: U.S. Department of Commerce

PTO/SB/17					COMPLETE IF KNOWN		
(8/96)	Application Number						
FFE TO ANCHITTAL	Filing Date						
FEE TRANSMITTAL	First N	First Named Inventor			Michael J. Connor		
		Group Art Unit			Michael 3. Comfor		
		iner Nan					
Total Amount of Payment (\$) 750.00				<u> </u>	4404 00240		
	Attorn	ey Dock	et Num		4191-00318		
METHOD OF PAYMENT (check one)				FE	EE CALCULATION (continued)		
1. X The Commissioner is hereby authorized to							
charge indicated fees and credit any over payments to:	_	Entity		Entity			
Deposit	Fee	Fee	Fee Code	Fee			
Account 01.2000 Number	Code	(4)	Code	(4)	Fee Description Fee Paid		
Account ANDRUG COTAL SO CAMALL LLD	105	130	205	65	Surcharge - late filing fee or oath		
Deposit Name ANDRUS, SCEALES, STARKE & SAWALL, LLP	127	50	227	25	Surcharge - late provisional filing fee		
Charge any addition		120	420	120	or cover sheet Non-English specification		
X al fee required under entity status.	139 147	130 2,520	139 147		For filing a request for examination		
37 CFR 1.16 and 1.17 See 37 CFR 1.27	112	920	112		Requesting publication of SIR prior to		
The Commissioner is hereby authorized to charge the					Examiner action		
issue fee and any additional fees required under 37 C.F.R. 1.18 to the above Deposit Account A duplicate	113	1,840	113	1,840	Requesting publication of SIR after		
copy hereof is enclosed.	115	110	215	55	Examiner action Extension for response within first		
2. X Payment Enclosed:	†			55	month		
Money	116	410	216	205	Extension for response within second		
X Check Order Other	117	020	247	465	month Extension for response within third		
FEE CALCULATION (fees effective 10/01/96)	† '''	930	217	400	month		
1. FILING FEE		1,450	218	725	Extension for response within fourth		
Large Entity Small Entity Fee Fee	128	1,970	228	085	month Extension for response within fifth		
Fee Fee Fee Description Paid		•	220		month		
Code (\$) Code (\$)	119	320	218		Notice of Appeal		
101 750 201 375 Utility filing fee \$750.00	120 121	320 280	220 221		Filing a brief in support of an appeal Request for oral hearing		
106 330 206 165 Design filing fee	138	1,510	138	1.510	Petition to institute a public use		
107 520 207 260 Plant filing fee 108 750 208 375 Reissue filing fee		.,0.0		.,	proceeding		
108	140	110	240	55	Petition to revive unavoidably		
fee	141	1,300	244	650	abandoned application Petition to revive unintentionally		
OUDTOTAL (4)	'-'	1,500	241	000	abandoned application		
SUBTOTAL (1) (\$) 750.00	142	1,300	242		Utility issue fee (or reissue)		
2. CLAIMS Extra Fee from Fee Paid below	143	470	243		Design issue fee		
	144	630	244		Plant issue fee Petitions to the Commissioner		
Total claims 17 - 20 = X = = X = =	123	130 50	122 123		Petitions related to provisional		
Independent 2 - 3 = X = =	ł	30	.20	50	applications		
Multiple Dependent x =	126	180	126		Submission of Information Disclos. Stmt.		
Claims	581	40	581	40	Recording each patent assignment per property (times number of properties)		
Large Entity Small Entity Fee	146	750	246	375	Filing a submission after final rejection		
Fee Fee Fee Fee Description Code (\$) Code (\$)	'."		_+0	J. J	(37 CFR 1.29(a))		
	149	750	249	375	For each additional invention to be		
103					examined (37 CFR 1.129(b))		
excess of 3	179	750	279	375	Request for continued Examination (RCE)		
104 280 204 140 Multiple dependent claim	400			<u>.</u> .	Request for expedited examination of a		
109 84 209 42 Reissue independent claims over original	169	900	169	900	design application		
patent							
110 18 210 9 Reissue claims in excess	Other fee (specify)						
of 20 and over original patent							
SUBTOTAL (2) (\$) * Reduced by Basic Filing Fee Paid SUBTOTAL (3)							
Treduced by basic raining ree raid							
SUBMITTED BY							
Name (Print/Type) Michael E. Taken	Registr	ation N	o. 28	3,120	Telephone (414) 271-7590		
Signature Date Date							
Signature Muchael E. Jan	ze.				Date 7/29/03		

PTO/SB/35 (11-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

	First Name	d Inventor	Michael J. Connor
REQUEST AND CERTIFICATION UNDER	Title	Filter wit	h Support Columns
35 U.S.C. 122(b)(2)(B)(i)	Atty. Docket Number		4191-00318

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

July 29, 2003

Date

Signature

Michael E. Taken (Reg. No. 28,120)

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant must notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(b)(iii)).